MECHANISMS OF CHEMICAL REACTIONS

Faculty: Faculty of Natural Sciences
Study program: Bachelor in Biology and Chemistry
Course Title: Mechanisms of Chemical Reactions

Course Credits:4
Language of Instruction: Albanian
Course Description: A chemical reaction mechanism shows the reactive intermediate states, complex and active, transient states which bonds are broken and which are formed. A complete mechanism also calculates all the reactants used, the catalyst function, the stereochemistry, the products formed and the amount of each. Upon successful completion of the course Mechanisms Reaction Mechanisms, the student should be able to:

-describe the relative rates of the reaction steps and the rate of the whole reaction.

- to describe the intermediate states in reactions are usually unstable chemical species with short life and are temporary products in the mechanisms of reactions.

- to know the main types of organic reactions and their mechanisms.
Course Goals: Structural efects that affect the reactivity of organic molecules. Acid-base concept in Organic Chemistry. Organic reactions, classification and mechanisms. Reactions (SN1, SN2), E1, E2, SE aromatic, C-C and C-heteroatom addition reaction, radical and oxidation-reduction
Course Requirements
Forms of knowledge control
Attendance:

- Attendance of lectures by the student is optional

Attendance of seminars is mandatory in the amount of 75%

Continuous control:

- participation and activation 5%
- 5% partial controls

The subject will be cleared with 2-3 checks during the semester
Course Schedule: 15 weeks